



BOROUGH OF WALLSEND.



ANNUAL REPORT

OF THE

Medical Officer of Health,

FOR THE

YEAR ENDING 1904.



WALLSEND-ON-TYNE:

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ANNUAL REPORT,

1904.

TO THE MAYOR AND CORPORATION OF WALLSEND.

GENTLEMEN,

I beg to submit my Annual Report for 1904.

Locality.	Area in Acres.	Inhabited Houses 1904	Population, 1904.	Estimated Popu- lation to the middle of year 1904.
Wallsend Urban	1,202	4,881	23,000	22,500

BIRTHS.

The number of births registered to the 31st December, 1904, was 913, (464 boys and 449 girls) giving a birth rate of 40·5 per thousand. Last year it was 40·5 per thousand.

DEATHS.

For the same period 346 deaths are returned, including two out of the district; deducting this would give a death rate of 15·2 per thousand. Last year was 15·6 per thousand. Excess of births over deaths—569.

DEATH RATE OF PREVIOUS YEARS :

1900	1901	1902	1903
13·8	17·04	16·6	15·6

AGES :—141 were under one year.

59 between 1 and 5 years.

19 „ 5 „ 15 „

25 „ 15 „ 25 „

73 „ 25 „ 65 „

28 above 65 years.

INFANTILE MORTALITY.

The rate per thousand births registered this year amounts to 153·5. Last year it was 141·4. There are 19 premature births this year as against 23 last year. Whooping cough is to a great extent responsible for our increased mortality. The majority of mothers live under the impression that whooping cough cannot be cured or alleviated. So deluding themselves with this false impression, they refrain from seeking advice and treatment until some severe complication has supervened. There has been 34 deaths from this disease and 19 of these were under one year.

NOTIFICATION OF INFECTIOUS DISEASES.

			1904.		1903.
Small Pox	...	...	53	...	49
Diphtheria	...	...	32	...	18
Erysipelas	...	...	25	...	26
Enteric Fever	...	...	16	...	14
Scarlet Fever	...	...	64	...	131
			<hr/> 190		<hr/> 238

DEATHS FROM INFECTIOUS DISEASES.

			1904.		1903.
Scarlet Fever	...	...	1 (out of district)		5
Small Pox	...	...	2	...	2
Diphtheria	...	...	5	...	0
Enteric ...	...	...	3	...	5
Whooping Cough	...	...	34	...	3
Measles ...	...	...	2	...	24
			<hr/> 39		<hr/> 40

DEATHS FROM ZYMOTIC DISEASES.

There were 2 from Small Pox, 5 from Diphtheria, 3 from Enteric Fever and 2 from Measles. Reckoning the rate on these 12 cases, we get a death rate for the year of ·5 per thousand. For the reasons already stated, I do not consider it right to reckon the cases of Whooping Cough in calculating this death-rate.

CASES ADMITTED TO HOSPITAL.

			1903.		1902.
Scarlet Fever	...	...	24	...	34
Enteric Fever	...	...	4	...	5
Diphtheria	...	...	7	...	4

Births for each quarter and Births in the separate Wards.

BIRTHS.				BIRTHS IN EACH DISTRICT FOR THE QUARTER.						
	Boys.	Girls.	Total.	North- b'land.	Buddle	Car- ville.	Holy Cross.	Had- rian.	Wall- send.	Total.
January .	43	45	88	7	16	11	28	11	15	88
February ...	56	30	86	14	17	7	28	6	14	86
March ..	34	38	72	8	13	8	24	5	14	72
	133	113	246	29	46	26	80	22	43	246
April ...	40	44	84	7	13	8	30	8	18	84
May ...	43	45	88	7	14	12	29	9	17	88
June ..	43	32	75	6	12	21	20	6	10	75
	126	121	247	20	39	41	79	23	45	247
July ...	37	34	71	6	12	14	24	4	11	71
August ...	33	32	65	4	16	6	28	1	10	65
September	34	41	75	5	12	15	24	6	13	75
	104	107	211	15	40	35	76	11	34	211
October ...	32	39	71	13	9	10	21	5	13	71
November	44	41	85	14	12	11	28	5	15	85
December	34	31	65	8	14	7	23	4	9	65
	110	111	221	35	35	28	72	14	37	221

DISINFECTION.

I fear that the condition of most houses will not permit of this being satisfactorily carried out, for, more than once I have heard persons in adjoining houses complain of the fumes spreading through into their houses. Surely it cannot be wondered at disease spreading when such a state of affairs as this exists. Again it is impossible to thoroughly disinfect a house while the inmates are present.

The Cases of Scarlet Fever were accounted for in the following wards.

Holy Cross	...	...	...	...	25
Wallsend	...	...	...	...	10
Hadrian	...	...	...	...	12
Buddle	...	...	...	...	4
Carville	...	...	...	...	8
Northumberland	...	...	...	...	5

Diphtheria was distributed in the following way.

Northumberland	...	...	...	...	10
Holy Cross	...	...	...	...	6
Wallsend	...	...	...	...	5
Carville	...	...	...	...	7
Hadrian	...	...	...	...	2
Buddle	...	...	...	...	2
					<hr/> 32

ENTERIC FEVER.

Holy Cross	...	...	...	...	12
Northumberland	...	...	...	...	2
Hadrian	...	...	...	...	1
Buddle	...	...	...	...	1
					<hr/> 16

With regard to Small Pox, I may state that the district was free from the disease from the 2nd of August to the 8th of November, when it was brought into the district from Morpeth by a young man, who had gone to see some friends who, it afterwards transpired, were suffering from the disease. Thirteen cases of Small Pox were afterwards attributed to this man and out of these, seven were un-vaccinated persons. I can only reiterate what I stated in my last report, viz:—that once more I have remarked the short time it was necessary to keep the vaccinated cases under observation, as compared with the un-vaccinated cases. There has been a large number of contacts from other towns, and on being informed, I have kept them under observation.

COW BYRES.—All these have been visited and in no cases could faults be found.

WATER SUPPLY.—This has been very good all the year.

I should like to call your attention to the removal of excrement. Although it is well done at present, in the summer owing to the increasing use of gas-stoves (²4000 used at present) and necessarily the absence of fires, there will be no ashes to procure for the absorption of the liquid contained in the closets.

I made arrangements with the School Board Officer to let me know any cases of Chicken Pox were situated, so I thought I might investigate them and see that they were not mild Small Pox cases.

I here append the death rates of the respective wards :—

Northumberland gives a death-rate of 13·8 per 1000				
Wallsend	„	„	16·02	„
Holy Cross	„	„	13·3	,
Buddle	„	„	10·3	„
Hadrian	„	„	16·5	„
Carville	„	„	23·02	„

FACTORIES & WORKSHOPS.—I have inspected the whole of these and found them in a very satisfactory condition.

THOMAS WILSON,

MEDICAL OFFICER OF HEALTH.



SANITARY INSPECTOR'S REPORT

For the Year ending December 31st, 1904.

TO THE WALLSEND BOROUGH COUNCIL.

GENTLEMEN,

During the year the following Notices have been served and complied with, viz:-

Ashpit Doors repaired	...	...	...	24
Sets of Spouts repaired	...	...	...	12
Choked Drains	...	...	...	67
Wet Ashpit Drains	...	...	...	10
Wet Closets	...	...	...	60
For Lime Washing	...	...	...	30
Closet Door Repairs	...	...	...	40
Yard Surfaces Repaired	...	...	...	15
Total				258
New Surface Drains inspected and passed	...	...	...	207
New Private Drains inspected and passed	...	...	...	97
Houses Disinfected	...	...	...	160
Ashpits converted into Closets	...	...	...	24
Leaving, still to be removed,	...	...	...	400

Six tenements have been closed during the year as unfit for Habitation. According to Specification our Ashpits and Closets are cleansed once a week during the year. In connexion with this work we have had our own Hopper since the middle of February last and since then we have sent to sea 11,802 tons of refuse of which 835 loads has been street sweepings.

I am sorry to state that at the beginning of the year we had a rather severe epidemic of Scarlet Fever and more or less during the year we have had Small Pox cases, altogether about 170 cases of Infectious disease have been notified. We have been fairly successful in keeping the diseases within bounds, especially the Small Pox contacts in view of having no means of isolation.

The Medical Officer and myself have made a large number of visits to the different Wards of the Borough during the year and all defects to property ordered by us have been promptly remedied by the Owners.

Under the Factories and Workshops Acts we have either separately or together made 158 visits to the small factories and workshops and found them in a very good condition.

Bakeries, Cowbyres, Dairies, Milk, Fish, and Fruit Shops have been visited at regular intervals and found satisfactory. Slaughter Houses, Pork Shops, and Lodging Houses have been visited at least twice a week during the year and have always been found in good condition.

I have only found it necessary to prosecute one case under the Food and Drugs Act, viz :—one sample of Milk which was certified by the Public Analyst as containing 13 per cent of added water. The defendant was fined £1 and Costs.

I have also taken samples of Butter under the direction of the Medical Officer of Health to ascertain the amount of preservative used, such as Boric Acid and in only one instance did I find the per centage greater than the maximum suggested by the Board of Agriculture, viz :—0·5 per cent. This sample contained 0·788 per cent of Boric Acid.

Gentlemen, in conclusion I can only add that at present we are in a fairly healthy condition and although we have recently had 8 cases of Typhus Fever and about 12 cases of Small Pox we hope to be able to combat and stamp out those diseases, of course the work is greatly increased owing to infectious disease, workshop and slaughter house inspection, etc., but it is satisfactory to note that so few complaints have been made and that disease generally has been less than last year.

I am, Gentlemen,

Your obedient Servant,

JOHN CAMPBELL,

SANITARY INSPECTOR.

TABLE I.

Vital Statistics of Whole District of Wallsend-on-Tyne
during 1904 and Previous Years.

Year	Population estimated to Middle of each Year.	Births		Total Deaths Registered in the District				Total Deaths in Public Institutions in the District	Deaths of Non-residents in Public Institutions in the District	Deaths of Residents registered beyond the District	Nett Deaths at all ages belonging to the District	
				Under 1 year.		At all Ages					Number	Rate.*
		Number	Rate.*	Number.	Rate per 1000 Births registered	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1894	13,000	399	30·9	48	120·3	181	13·9					
1895	14,000	424	30·2	60	141·5	218	15·5					
1896	15,000	472	31·46	57	120·3	185	12·7		6		179	11·8
1897	16,000	524	32·7	75	124·12	202	11·8		3		199	12·4
1898	17,000	582	34·2	118	202·7	292	17·1		12		290	16·4
1899	18,000	693	38·5	136	193·36	358	19·8		5		355	19·7
1900	20,000	748	35·6	97	129·6	303	15·1		12		291	14·5
1901	21,000	830	39·5	142	139·5	348	17·04		3		345	16·4
1902	21,500	856	39·8	119	139·01	360	16·7		3		357	16·6
1903	22,500	891	40·5	127	141·4	345	15·6	7	0	1	344	15·6
Averages for years. 1894-1903	17,750	641·9	35·33	97·9	145·17	279·2	15·52					
1904	22,500	913	40·5	141	153·5	346	15·2		0		344	15·2

* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water), 1202.

Total population of all ages 20,647

Number of inhabited houses 4,881 At Census of 1901

Average number of persons per house .. 4·75

TABLE II.

Vital Statistics of Separate Localities in 1904 and Previous Years.

[illegible]

TABLE III

Cases of Infectious Disease notified in Wallsend-on-Tyne during the Year 1904.

Notifiable Disease.	Cases Notified in whole District.					Total Cases Notified in each Locality.					No. of Cases removed to Hospital from each Locality.						
	At all Ages.	At Ages—Years.				Carville.	Holy Cross.	Buddle.	Hadrian.	Wallsend.	Northum-berland.	Carville.	Holy Cross.	Buddle.	Hadrian.	Wallsend.	Northum-berland.
		Under 1.	1 to 5.	5 to 15.	15 to 25.													25 to 65.	65 and upwards.
Small-pox ..	54	..	4	5	20	25	..	16	2	16	3	6	11	16	2	16	3
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	31	2	10	11	5	3	..	2	4	5	8	2	..	..	2	..	3
Membranous Croup																	
Erysipelas ..	25	..	1	4	2	15	3	3	3	6	1	..	..	..	..	..	..
Scarlet Fever ..	64	1	24	34	3	2	..	4	12	10	5	1	14	..	..	6	3
Typhus Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	7	..	..	..	..
Enteric Fever ..	16	..	..	8	4	4	..	1	1	..	2	..	3	..	..	1	..
Relapsing Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	190	3	39	62	34	49	3	26	60	26	19	9	35	16	4	23	9

ISOLATION HOSPITAL :—Wallsend, Willington Quay, and Howdon (in Holy Cross Ward).

TABLE

Causes of, and Ages at, Death in

Causes of Death.	Deaths in or belonging to whole District at subjoined Ages.						
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Small-pox	2	..	1	..	1	..	..
Measles	2	..	2	..	..	..	..
Scarlet Fever	1	..	1	..	..	..	..
Whooping-cough	34	19	15	..	..	..	..
Diphtheria & Membraneous Croup	5	2	3	..	..	..	..
Croup	2	1	1	..	..	..	..
Typhus .. ..	..	..	..	..	..	..	..
Fever Enteric	3	..	1	1	..	1	..
Other Continued .. ..	..	..	..	..	..	..	..
Epidemic Influenza .. ..	..	..	..	..	..	..	..
Cholera .. ..	..	..	..	..	..	..	..
Plague .. ..	..	..	..	..	..	..	..
Diarrhœa	3	3	..	..	..	..	..
Enteritis	14	9	5	..	..	..	..
Puerperal Fever .. ..	..	..	..	..	..	..	..
Erysipelas	1	1	..	..	..	..	..
Other Septic Diseases .. ..	..	..	..	..	..	..	..
Phthisis	20	..	1	3	4	12	..
Other Tubercular Diseases	27	16	5	4	1	1	..
Cancer, Malignant Disease	8	..	..	..	6	2	..
Bronchitis	17	9	2	..	4	2	..
Pneumonia	31	10	8	1	1	9	2
Pleurisy .. ..	..	..	..	..	..	..	..
Other Diseases of Respiratory Organs .. ..	..	..	..	..	..	..	..
Alcoholism .. ..	..	..	..	..	..	..	..
Cirrhosis of Liver .. ..	..	..	..	..	..	..	..
Venereal Diseases .. ..	..	..	..	..	..	..	..
Premature Birth	19	19	..	..	..	..	..
Diseases and Accidents of Parturition	1	..	..	..	1	..	..
Heart Diseases	19	..	..	1	1	15	2
Accidents	12	1	..	..	3	8	..
Suicides	1	..	..	..	..	1	..
All other causes	124	51	14	10	2	23	24
All causes	346	141	59	20	24	74	28

IV.

Wallsend-on-Tyne during Year 1904.

Deaths in or belonging to Localities (at all Ages).							Total Deaths in Public Institutions in the District.
Carville.	Wallsend.	Hadrian.	Holy Cross.	Buddle.	Northumberland.	Total.	
..	..	..	2	..	..	2	..
1	1	..	..	..	..	2	..
..	..	..	1	..	..	1	1
9	4	2	8	5	6	34	..
1	1	..	1	1	1	5	..
2	..	..	..	..	..	2	..
..
..	..	..	1	1	1	3	..
..
..
..
..	..	..	2	..	1	3	..
3	3	1	6	1	..	14	..
..
..	..	1	..	..	..	1	..
..
5	4	3	6	2	..	20	..
6	7	2	9	1	2	27	..
2	2	1	3	..	..	8	..
6	..	3	5	..	3	17	..
7	3	3	10	6	2	31	..
..
..
..
..
3	3	2	6	3	2	19	..
..	..	..	1	..	..	1	..
2	5	2	7	1	2	19	..
..	1	5	3	2	1	12	..
1	..	..	..	..	..	1	..
22	25	13	36	17	11	124	..
70	59	38	107	40	32	346	1